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Derwent WPI

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**Intravascular stents coated with polymer and drug - provide
sustained release of e.g. dexamethasone to vascular tissue**

Patent Assignee: MEDTRONIC INC (MEDT)

Inventor: BERG E P; DROR M; TUCH R J; WOLFF R G

Number of Countries: 005 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 623354	A1	19941109	EP 94302807	A	19940420	199443	B
US 5464650	A	19951107	US 9352878	A	19930426	199550	
JP 8033718	A	19960206	JP 94109206	A	19940426	199615	
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19950427

Cited Patents: EP 566245; WO 9112779; WO 9117789; WO 9118940; WO 9215286;
WO 9306792

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Abstract (Basic): EP 623354 A

A method for making an intravascular stent comprises: a) applying to a generally cylindrical stent body a soln. comprising a solvent in which a polymer is dissolved and a therapeutic substance dispersed, and b) evaporating the solvent.

USE - The stent can be used to overcome the problem of restenosis following angioplasty treatment. The stent can be delivered and expanded in a selected blood vessel without losing a significant amt. of drug, and provides sustained release of the drug to vascular tissue.

ADVANTAGE - The prepn. is simple, effected by simply immersing the stent in a soln. or spraying the soln. onto the stent.

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Title Terms: INTRAVASCULAR; STENT; COATING; POLYMER; DRUG; SUSTAINED; RELEASE; DEXAMETHASONE; VASCULAR; TISSUE

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